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INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)

		s or ag 3153	gent's file reference	FOR FURTHER	ACTION	See Notifica Preliminary	tion of Transmittal of International Examination Report (Form PCT/IPEA/416)
		International filing dat 19.12.2003		h/year)	Priority date (day/month/year) 23.12.2002		
C07	D47 	al Pai 1.04	ent Classification (IPC) or be	oth national classificatio	n and IPC		
Applic GLA		GRC	UP LIMITED				
1.	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2.	2. This REPORT consists of a total of 4 sheets, including this cover sheet.						
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the DOT)						
	(see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.						
3.	This	repo	rt contains indications rela	ating to the following	tems:		
	ı	\boxtimes	Basis of the opinion				
i	11		Priority				
	III	\boxtimes	Non-establishment of o	pinion with regard to	novelty, inv	entive step	and Industrial applicability
	IV V		Lack of unity of inventio	n			
,	V	\boxtimes	Heasoned statement un citations and explanation	ider Rule 66.2(a)(ii) w ns supporting such et	rith regard	to novelty, i	nventive step or industrial applicability;
•	VI		Certain documents cited		atement		
•	VII		Certain defects in the in	ternational application	า		
'	VIII						
5							
Date of	Date of submission of the demand		Date of completion of this report				
	19.12.2003			16.03.20	005		
Name a prelimin	Name and mailing address of the international preliminary examining authority:				Authorized	i Officer	
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		epmu đ	Ousset,		The same of the sa		
					i elebuone	No. +49 89	2399-8271 ************************************



International application No.

PCT/EP 03/14867

 Basis 	of the	report
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	Description, Pages				
	1-211		as originally filed			
	Cl	aims, Numbers				
	1-8	57	as originally filed			
2	. With regard to the language , all the elements marked above were available or furnished to this Authority in language in which the international application was filed, unless otherwise indicated under this item.					
			vailable or furnished to this Authority in the following language: , which is:			
		the language of a tr	anslation furnished for the purposes of the international search (under Rule 23.1(b)).			
		the language of pub	olication of the international application (under Rule 48.3(b)).			
		the language of a tr Rule 55.2 and/or 55	anslation furnished for the purposes of international analysis in			
3.	Wit inte	th regard to any nucl e ernational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:			
		furnished subseque	ntly to this Authority in computer readable form.			
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
4.	The	The amendments have resulted in the cancellation of:				
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).				
(Any replacement sheet containing such amendments must be referred to under item 1 and an report.)						
6.	Add	Additional observations, if necessary:				



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Ш	i. No	n-establishment of opinion	with re	egard to nov	elty, inventive step and industrial applicability		
1.	. Th	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:					
		the entire international applic	cation,				
	⊠ claims Nos. 53						
		because:					
	×	the said international applica does not require an internation	tion, o	r the said clai eliminary exa	ims Nos. 53 relate to the following subject matter which amination (specify):		
		see separate sheet					
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinio could be formed.					
		no international search report	t has b	een establisł	ned for the said claims Nos.		
A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotic or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:							
		☐ the written form has not been furnished or does not comply with the Standard.					
		the computer readable form has not been furnished or does not comply with the Standard.					
V.	 Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; 						
1.	Stat	tatement					
	Novelty (N)		Yes: No:	Claims Claims	1-52,54-57		
Inventive step (IS)			Yes: No:	Claims Claims	1-52,54-57		

1-52,54-57

Yes: Claims

Claims

No:

2. Citations and explanations

Industrial applicability (IA)

see separate sheet



International application No. PCT/EP 03/14867

SECTION III

1). Claim 53 relates to the treatment of human and/or animal bodies. According to Rule 67(1)(iv) an examination is not required for such a claim.

SECTION V

2). Relevant prior art is represented by:

D1: WO 00/15222 A (SQUIBB BRISTOL MYERS CO) 23 March 2000 (2000-03-23)

- 3). the claimed matter is novel vis-à-vis the content of D1, due to the absence of a carbonyl group at the position 6 of the central moiety. The entity "Het" is directly linked to the central condensed ring system in the compounds currently claimed.
- 4). D1 represents the closest prior art, since it discloses compounds having the same pharmaceutical properties (phosphodiesterase inhibitor).

The problem underlying the current application appears to be the provision of further fused pyridine derivatives able to inhibit phosphodiesterase.

The experimental protocols present on pages 84-94 show that this problem has been solved for at least the tested compound sand a reasonable generalisation thereof.

However, an inventive step cannot be acknowledged, since the wording of the claims contains unlimited expressions for the different substituted forming the claimed compounds. Consequently, an unlimited number of compounds cannot inherently have the claimed pharmaceutical properties.

Moreover, in view of the compounds exemplified in the description, it has not yet been made credible that the whole claimed scope is to be regarded by the skilled person as an obvious generalisation of what has been shown by the applicant.

Thus, inventive step is not acknowledged.

5). There is no objection with regard to industrial applicability.